

MEMORANDUM

DATE:	August 15 th , 2016
FROM:	Eric Lancaster
SUBJECT:	Weekly Progress Report @ Gold King
TO:	Kerry Guy

Project: Gold King Interim Water Treatment Plant (IWTP)

Location: Gladstone, Colorado

Prepared for: Emergency Response Unit – US EPA Region 8

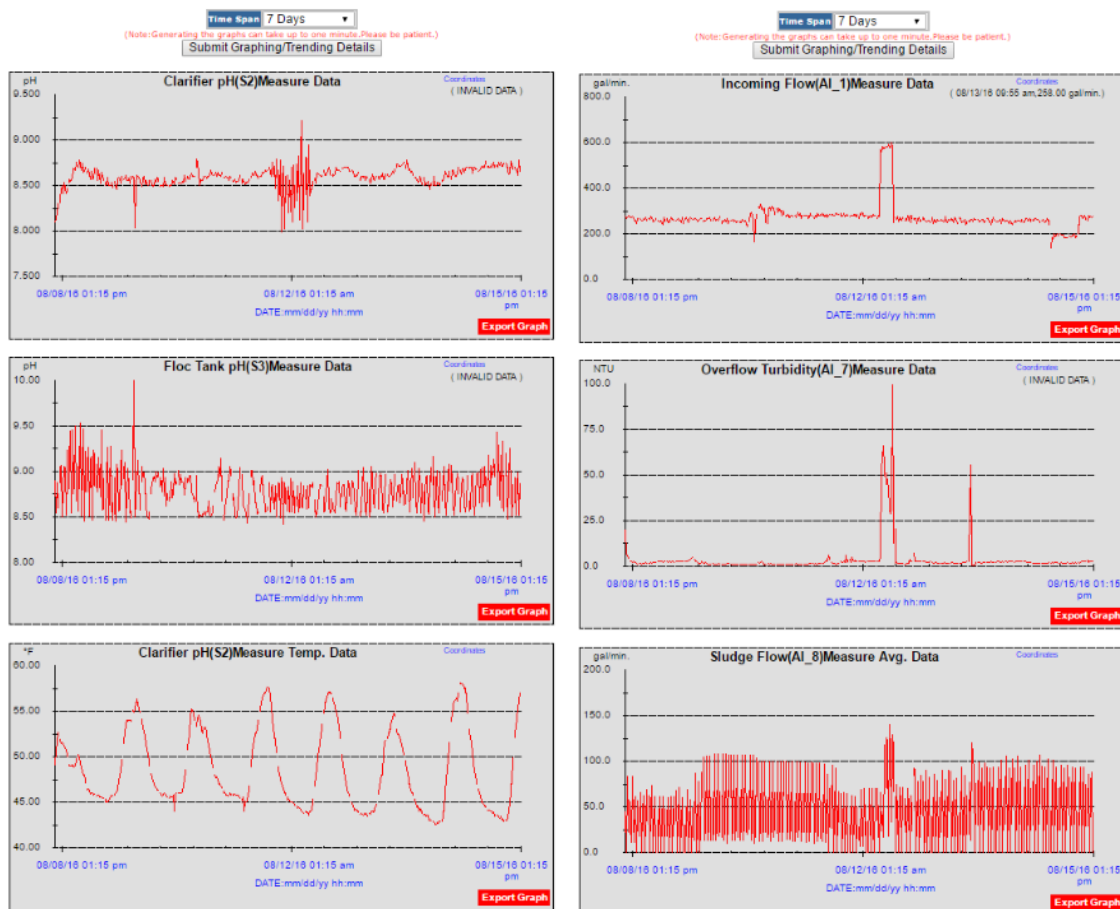
Reporting Period: Aug 8 – Aug 15

Report No.: 32

I. General Operations Summary:

IWTS Function/Upsets

- The following graphs provide trending information during the previous 7 days. The dataloggers collect control information from the Lime Circuit (left) and Flow Circuit (right) Programmable Logic Controllers (PLCs) at the Gold King IWTP. Over the reporting period (8/8/16 – 8/15/2016 inclusive) Alexco treated 5.88 million gallons at an average flow rate of 583 gpm.



- Please note: Several days each week, the Alexco operators check the pH at both the flocc tank and clarifier discharge. During this time, the probe is placed in vinegar (acid), and three pH buffers – 4, 7, and 10. While the probe is in the acid/buffer, the datalogger may capture one of those points for tracking purposes, which explains the occasional pH spikes seen on the graph. In addition, instantaneous spikes of the Overflow Turbidity Meter are associated with routine cleaning, which can cause the meter to spike temporarily up to 100 NTUs.
- A pH sample from the IWTP inlet on 8/11 measured 3.51.
- A pH sample from the IWTP inlet on 8/12 measured 3.54.
- On 8/12 the Phase II clarifier was shut-off for several hours, allowing all incoming flow to pass through the Primary clarifier. This is why the incoming flow spiked during that time, and the turbidity was higher.
- Alexco supported a tour of the IWTP on Thursday, 8/11. Brad Thrall (Alexco) was on site to explain the process and answer questions.

Communication System Function Status

- No issues – reliable operations during the reporting period.

Facility or System Related Work, including Repairs & Completions

- N/A

II. Identified Problems, Causes, and Solutions (Planned or Implemented)

- Cell D is scheduled for re-lining by Lange Containment on Tuesday (8/16).
- There is concern that the A and B bags are full, and Alexco is currently filling bag C at times to allow the other bags to dewater. Alexco will continue to minimize bag C usage while focusing on utilizing bags A and B.

III. System Inspections – Specific elements inspected and finding

- N/A

IV. Site Status

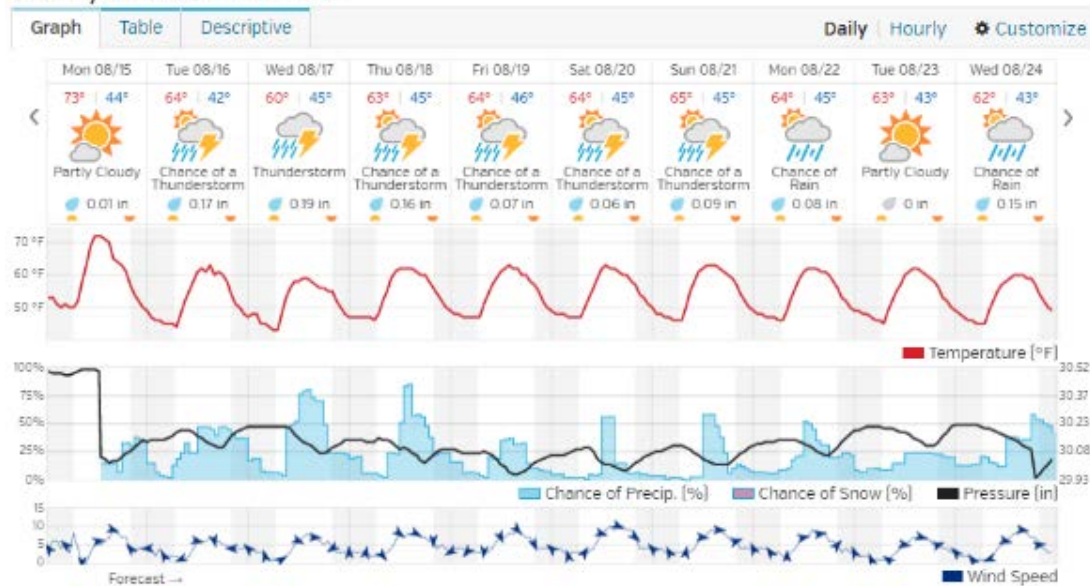
Personnel and equipment onsite

- Alexco currently employs one full-time employee (FTE) who lives in Silverton and oversees all operations at the Gold King IWTP. He is supported by remote operators in Denver, and local sub-contractors as needed.

Weather conditions

- Weather Underground Report for Silverton, CO (8/10/2016 – 8/19/2016)

10-Day Weather Forecast



Pictures from Site



Photo 1: Tour of the IWTP on 8/11



Photo 2: Discharge from Bag A